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August 13, 2001

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Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No. *To Be Assigned*; Filed: Herewith (August 13, 2001)
For: **Highly Homogeneous Molecular Markers for Electrophoresis**
Inventors: Mitra Tadayoni-Rebek *et al.*
Our Ref: 0942.5300001/RWE/AGL

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. USPTO Utility Patent Application Transmittal Form PTO/SB/05;
2. U.S. Utility Patent Application entitled:

Highly Homogeneous Molecular Markers for Electrophoresis

and naming as inventors:

Mitra TADAYONI-REBEK
Joseph W. AMSHEY
Regina ROONEY

the application comprising:

Commissioner for Patents
August 13, 2001
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- a. A specification containing:
 - i. 45 pages of description prior to the claims;
 - ii. 6 pages of claims (38 claims);
 - iii. a one (1) page abstract;
 - b. 11 sheets of drawings: (Figures 1, 2, 3A, 3B, and 4-10);
 - c. 9 pages of a paper copy of the sequence listing;
 - d. A computer readable copy of the sequence listing. In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same;
3. 37 C.F.R. § 1.136(a)(3) Authorization to Treat a Reply As Incorporating An Extension of Time (*in duplicate*); and
 4. Two (2) return postcards.

The name of the assignee is Invitrogen Corporation.

Correspondence should be sent to Customer Number 26111.

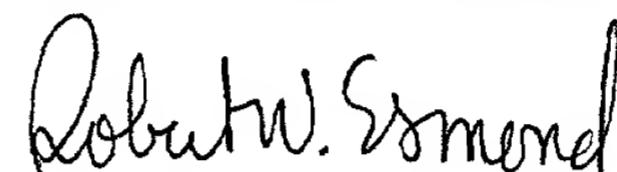
It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Commissioner for Patents
August 13, 2001
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This patent application is being submitted under 37 C.F.R. § 1.53(b) without Declaration and without filing fee.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond
Attorney for Applicants
Registration No. 32,893

RWE/AGL:kim
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**UTILITY
PATENT APPLICATION
TRANSMITTAL**
(Only for new nonprovisional applications under 37 CFR § 1.53(b))

| | |
|------------------------|--|
| Attorney Docket No | 0942.530001/RWE/AGL |
| First Inventor | Mitra Tadayoni-Rebek et al. |
| Title | Highly Homogeneous Molecular Markers for Electrophoresis |
| Express Mail Label No. | |

J1017 U.S. PTO 927436

APPLICATION ELEMENTS
*See MPEP chapter 600 concerning utility patent application contents.***ADDRESS TO:**
Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- | | |
|--|--|
| 1. <input type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i> | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i> |
| 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | 8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages <u>52</u>] <i>(preferred arrangement set forth below)</i> | a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) |
| - Descriptive title of the Invention | b. Specification Sequence Listing on: |
| - Cross Reference to Related Applications | i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or |
| - Statement Regarding Fed sponsored R & D | ii. <input checked="" type="checkbox"/> paper |
| - Reference to sequence listing, a table, or a computer program listing appendix | c. <input type="checkbox"/> Statements verifying identity of above copies |
| - Background of the Invention | |
| - Brief Summary of the Invention | |
| - Brief Description of the Drawings <i>(if filed)</i> | |
| - Detailed Description | |
| - Claim(s) | |
| - Abstract of the Disclosure | |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>11</u>] | |
| 5. Oath or Declaration [Total Pages <u>1</u>] | |
| a. <input type="checkbox"/> Newly executed (original or copy) | 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> | 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> |
| i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application. see 37 CFR §§ 1.63(d)(2) and 1.33(b). | 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76. | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations |
| | 13. <input type="checkbox"/> Preliminary Amendment |
| | 14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> |
| | 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> |
| | 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. |
| | 17. <input checked="" type="checkbox"/> Other: <u>Authorization under 37 C.F.R. § 1.136(a)(3)</u> |
| | <input checked="" type="checkbox"/> Other: <u>The name of the assignee is: Invitrogen Corporation</u> |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-Part (CIP) of prior application No: _____ / _____
Prior application information: Examiner _____ Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

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| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | | | | <i>or</i> | <input type="checkbox"/> Correspondence address below |
| Customer No. 26111 | | (Insert Customer No. or Attach bar code label here) | | | |
| NAME | STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. | | | | |
| | Attorneys at Law | | | | |
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| CITY | STATE | | ZIP CODE | | |
| COUNTRY | TELEPHONE | | FAX | | |

| | | | |
|-------------------|-------------------------|-----------------------------------|--------|
| NAME (Print/Type) | Robert W. Esmond | Registration No. (Attorney/Agent) | 32,893 |
| SIGNATURE | <u>Robert W. Esmond</u> | | |
| Date | Aug. 13, 2001 | | |

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